



National Weather Service

Storm Data and Unusual Weather Phenomena



January 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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SOUTH DAKOTA, West

SDZ001-012-024>025	Harding - Butte - Northern Black Hills - Northern Foot Hills								
	01	0001MST			0	0			Heavy Snow
	04	2300MST							

Ten to 12 inches fell over Northwest South Dakota and 10 to 20 inches over the Black Hills

SDZ001>002-012>014-024>032-041>044-046>047-049	Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Haakon - Fall River Co. - Shannon - Jackson - Bennett - Mellette - Todd - Tripp								
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	17	0100MST			0	0			Blizzard
		1800MST							

Winds of 35 to 45 Mph combined with 3 to 6 inches of snow produced blizzard conditions over Western South Dakota. Up to 12 inches of snow and 3 to 6 foot drifts were reported in the Faith and Martin areas.

WYOMING, Northeast

WYZ054>058	Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston								
	16	2000MST			0	0			Blizzard
	18	1100MST							

Winds to 55 Mph and snow created blizzard conditions over Northeast Wyoming. Temperatures fell to 20 to 30 below zero which dropped wind chill temperatures to 70 below zero.

WYZ054>058	Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston								
	29	0000MST			0	0			Extreme Cold
	31	2300MST							

Low temperatures plunged to 30 below zero with daytime temperatures remaining below zero



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Storm Data and Unusual Weather Phenomena



February 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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SOUTH DAKOTA, West

SDZ001>002-012>013-025>026-028-030>031-043-046 **Harding - Perkins - Butte - Meade Co. Plains - Northern Foot Hills - Central Foot Hills - Central Black Hills - Custer Plains - Pennington Plains - Jackson - Mellette**

10	0300MST 1500MST	0	0	75K	High Wind (G65)
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Strong northwest winds behind a cold front blew across western South Dakota. The Rapid City airport recorded a peak gust of 70 mph, which was a record for February. Several semi-trailer trucks were blown over by the winds: 15 miles north of Buffalo, 8 miles south of Reva, along Highway 83 north of White River, and Interstate 90 east of Belvidere. A billboard blew over and smashed two cars in Black Hawk. A ham radio tower was toppled around Hill City. Buildings lost their roofs and trees fell. The winds downed powerlines, which started four fires. One fire consumed 1500 acres just east of Custer State Park; another blackened 25 acres in the park; and 40 acres burned near Stockade Lake.

SDZ012-024>025-028 **Butte - Northern Black Hills - Northern Foot Hills - Central Black Hills**

29	2000MST 2359MST	0	0	Heavy Snow
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The northern Black Hills received 1.5 to three feet of snow during a 36 hour period starting the evening of February 29 through the morning of March 2.



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Storm Data and Unusual Weather Phenomena



March 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

SOUTH DAKOTA, West

SDZ012-024>025-028 **Butte - Northern Black Hills - Northern Foot Hills - Central Black Hills**

01	0000MST				0	0			Heavy Snow
02	0800MST								

The northern Black Hills received 1.5 to three feet of snow during a 36 hour period starting the evening of February 29 through the morning of March 2.

SDZ024-028 **Northern Black Hills - Central Black Hills**

17	2200MST				0	0			Heavy Snow
18	1200MST								

Heavy snow in the Black Hills produced six to 12 inch accumulations.

SDZ001>002-012>014-024>032-041>044-046>047-049 **Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Haakon - Fall River Co. - Shannon - Jackson - Bennett - Mellette - Todd - Tripp**

23	1800MST				0	0			Blizzard
24	2359MST								

A blizzard brought snow, wind, and freezing rain to western South Dakota. Freezing rain Saturday evening caused a series of accidents on interstate 90. By early Sunday morning six to nine inches of snow and winds 20 to 40 mph caused whiteout conditions, closing Interstat 90.

WYOMING, Northeast

WYZ054-056>057 **Gillette - Moorcroft - Wyoming Black Hills**

01	0700MST				0	0			Blizzard
	1600MST								

The Wyoming Black Hills received seven to nine inches of snow while Gillette reported six inches. Blizzard conditions caused numerous accidents and closed a number of highways.

WYZ056 **Moorcroft**

01	0700MST				0	0			Heavy Snow
05	1200MST								

Several snow storms left 17 inches of snow at Sundance.



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Storm Data and Unusual Weather Phenomena



April 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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SOUTH DAKOTA, West

SDZ012>014-024>029 Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills

11	0900MST				0	0			Heavy Snow
12	0400MST								

Six to 16 inches of snow fell across the Black Hills and western South Dakota. Roads were closed and numerous accidents occurred, but no major injuries were reported.

SDZ001-012-024>026-028 Harding - Butte - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Central Black Hills

13	0000MST				0	0			Heavy Snow
	1500MST								

Heavy snow covered the Black Hills and western South Dakota. Accumulations ranged from six inches in the foothills to 15 inches at Mt. Rushmore.

SDZ001>002-012>013-024>031-042>044-046>047-049 Harding - Perkins - Butte - Meade Co. Plains - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Shannon - Jackson - Bennett - Mellette - Todd - Tripp

24	1500MST				0	0	225K		High Wind (G80)
25	2100MST								

High winds slammed across western South Dakota, causing damage throughout the area. Around 4 pm MDT on the 24th, winds over 80 mph ripped through Belle Fourche. A metal roof was torn from the Mid-State Wool Growers warehouse; carried 200 yards; and damaged stores, cars, and a street light. State Street was closed for three hours until the debris could be cleared. A mobile home between Nisland and Vale was destroyed when it was blown off its foundation. Another mobile home being transported was overturned and destroyed two miles east of Newell. A tree fell in Deadwood and damaged windows and a roof. A downed power line about 25 miles south of Rapid City (east of Rockerville) started a fire of 650 acres. A tree branch tore power lines from a home in Rapid City, which ignited the contents and caused extensive damage. A blinding dirt storm with visibility near zero caused a ten-vehicle pile-up on I-90 east of Kadoka Thursday evening. Ten to 15 people received minor injuries; one had serious injuries. Just outside Rapid City, a wind gust overturned a semi-trailer, sending its driver to the hospital with minor injuries. Near Wall a camper was blown from a pickup truck. In Spearfish, large metal culverts 30 feet long, five feet wide, and weighing 1500 pounds each, damaged fences and other structures as they rolled down Interstate-90. A 20,000 bushel grain bin was blown over in Kadoka. Farmers reported damage to their winter wheat crops from the blowing dust.

WYOMING, Northeast

WYZ054>058 Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston

24	1700MST				0	0	20K		High Wind (G54)
25	1800MST								

High winds whipped through Northeast Wyoming. Roofs were blown off two mobile homes--one in Gillette and the other in Upton, causing over \$11,000 in damage. The Day's Inn in Gillette also lost part of its roof and had to evacuate some people.



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Storm Data and Unusual Weather Phenomena



May 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

SOUTH DAKOTA, West

Pennington County 6 S Rapid City	30	1503MST 1510MST			0	0			Hail (0.75)
Pennington County Rockerville	30	1505MST			0	0			Hail (1.50)
Pennington County 6 S Rapid City	30	1505MST 1645MST			0	0			Urban/Sml Stream Fld
2-3 INCHES OF WATER OVER HIGHWAY 16 SOUTH OF RAPID CITY.									
Pennington County 13 S Rapid City	30	1530MST 1532MST	0	0	0	0			Tornado (F0)
POLICE REPORTED A BRIEF TORNADO OVER A FIELD.									
Pennington County 7 S Rapid City	30	1610MST	0	0	0	0			Tornado (F0)
BRIEF TORNADO REPORTED BY POLICE.									
Perkins County 15 SE Lemmon	30	1612MST	0	0	0	0			Tornado (F0)
A BRIEF TORNADO WAS REPORTED BY A SPOTTER.									
Pennington County 7 S Rapid City	30	1640MST 2000MST			0	0			Flash Flood
A SLOW MOVING SUPERCEL DUMPED 3-6 INCHES OF RAIN ON SATURATED GROUND CAUSING FLASH FLOODING AT THE INTERSECTION OF SPRING CREEK AND HIGHWAY 79 SOUTH OF RAPID CITY. 2-3 FEET OF WATER COVERED THE HIGHWAY 79 BRIDGE AT SPRING CREEK. HART RANCH CAMPGROUND AND SOME HOMES NEAR THE CREEK HAD TO BE EVACUATED.									
Custer County 5 E Hermosa	30	1700MST 2000MST			0	0			Flash Flood
FLASH FLOODING ALONG SPRING CREEK IN NORTHEAST CUSTER COUNTY INJURED AND KILLED SOME LIVESTOCK.									
Lawrence County Nemo	30	1734MST			0	0			Hail (1.75)

WYOMING, Northeast

Crook County 20 N Hulett	07	1610MST 1645MST			0	0			Thunderstorm Wind (G60)
Crook County 12 N Hulett to 13 NNE Hulett	07	1630MST 1640MST	3	100	0	0	10K		Tornado (F1)
A tornado began on the north side of Highway 112 near Deer Creek uprooting 20 to 30 trees. The tornado moved east northeast 3 miles uprooting several large trees and destroying part of a barn									
Crook County Colony	16	1830MST 1835MST			0	0			Hail (0.75)



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May 1996

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					Killed	Injured	Property	Crops	

WYOMING, Northeast

Crook County									
Colony	16	1830MST 1835MST			0	0			Thunderstorm Wind (G60)
Campbell County									
12 W Wright	30	1615MST 1620MST			0	0			Hail (1.75)
Campbell County									
Wright	30	1638MST			0	0			Hail (1.00)



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June 1996

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SOUTH DAKOTA, West

Perkins County

Meadow	04	1640MST 1650MST			0	0	10K	10K	Hail (1.00)
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Large hail destroyed crops, injured cattle and broke windows in and around Meadow. Hail accumulated up to 10 inches and forced the temporary closure of highway 73 near Meadow.

Meade County 10 SW Maurine

10 SW Maurine	04	1653MST 1655MST			0	0	2K		Hail (1.50)
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Damage reported to windows, several cars and some crop damage to unknown extent across northern Meade County.

Ziebach County Dupree

Dupree	04	1850MST 1853MST			0	0	10K	20K	Hail (1.75)
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Large hail combined with gusty winds caused damage in the Dupree area of Ziebach County. Windows were broken, crops heavily damaged, and several cars were damaged.

Pennington County 5 S Rapid City

5 S Rapid City	05	1451MST 1453MST			0	0			Hail (1.50)
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Pennington County 6 S Rapid City

6 S Rapid City	11	1524MST			0	0			Hail (0.75)
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Pennington County Rapid City

Rapid City	11	1600MST 1617MST			0	0			Hail (0.75)
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Pennington County 7 SW Rapid City

7 SW Rapid City	11	1609MST 1610MST			0	0			Hail (1.25)
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Pennington County 8 S Rapid City

8 S Rapid City	11	1630MST 1633MST			0	0			Hail (1.75)
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Custer County 3 S Hermosa

3 S Hermosa	11	1710MST 1715MST			0	0			Hail (1.75)
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Pennington County Keystone

Keystone	11	1725MST 1727MST			0	0			Hail (1.50)
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Pennington County 7 S Rapid City

7 S Rapid City	11	1730MST 1830MST			0	0			Heavy Rain
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3 inches of rain fell in one hour South of Rapid City. Standing water on roads was reported.

Pennington County 17 W Rapid City

17 W Rapid City	13	1330MST 1335MST			0	0			Hail (1.75)
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Just north of intersection of Hghways 385 and 44.

Pennington County 12 W Rapid City

12 W Rapid City	13	1335MST 1340MST			0	0			Hail (1.75)
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Spotter report from Johnson Siding

Pennington County Placerville

Placerville	13	1335MST 1340MST			0	5	1K		Hail (1.75)
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Several car windows broken at a campground near Placerville. Several hikers at Placerville received minor injuries from hail.

Pennington County Hisega

Hisega	13	1340MST			0	0			Hail (1.25)
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SOUTH DAKOTA, West

Pennington County									
18 W Rapid City	13	1340MST 1345MST			0	0	0.50K		Hail (1.75)
Golfball size hail was reported at Pactola Lake. Minor damage to cars occurred nearby.									
Pennington County									
12 W Rapid City	13	1345MST 1350MST			0	0			Hail (2.00)
2 inch hail at Johnson Siding.									
Pennington County									
Hisega	13	1354MST 1358MST			0	0	1K		Hail (2.00)
Hail caused damage to trees and several cars.									
Pennington County									
10 W Rapid City	13	1409MST			0	0			Hail (0.75)
Highway 44 near Thunderhead Falls.									
Pennington County									
Rockerville	13	1445MST 1450MST			0	0			Hail (1.00)
Pennington County									
2 SW Rockerville	13	1445MST 1450MST			0	0	5K		Hail (2.50)
Several cars damaged.									
Pennington County									
2 N Keystone	13	1517MST 1520MST			0	0	2K		Hail (3.00)
Several vehicles damaged in Keystone and at Mt. Rushmore.									
Pennington County									
Hayward	13	1537MST			0	0			Hail (1.50)
Jackson County									
Interior	13	1640MST 1720MST			0	0	1.5K		Hail (2.50)
Tennis ball size hail fell at Interior for 40 minutes causing damage to several vehicles and camping trailers.									
Pennington County									
2 E Hill City	13	1700MST 1710MST			0	0			Hail (1.75)
Pennington County									
Keystone	13	1702MST 1705MST			0	0			Hail (1.75)
Meade County									
Tilford	14	1300MST 1303MST			0	0			Hail (1.75)
1.75 inch hail fell between mile markers 37 and 40 along Interstate 90.									
Meade County									
10 E Sturgis to 30 E Sturgis	14	1800MST 2300MST			0	0	250K	10K	Flash Flood
Torrential downpours from a nearly stationary thunderstorm dumped more than 5 inches, and locally as much as 10 inches of rain between Sturgis and Hereford from 1600-1900 MST. Flooding mostly affected locations along Alkali Creek. Several spotter rain gauge reports were unavailable because the gages were washed away. The road from Sturgis to Hereford was washed out. Severe damage occurred to numerous fences, corrals, farm equipment, automobiles and homes. Several livestock were swept away, but most were later recovered. Hay fields received extensive damage. No injuries or fatalities are known to have occurred.									



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June 1996

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SOUTH DAKOTA, West

Lawrence County

Lead	14	1800MST 1815MST			0	0	0	0	Flash Flood
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Nearly 3 inches of rain fell in 15 minutes causing widespread street flooding.

Lawrence County

Deadwood	14	1800MST 2100MST			0	0			Flash Flood
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3.5 inches of rain caused flooding and closure of numerous roads including U.S. Highway 85.

Harding County

Ludlow	14	1810MST			0	0	0	0	Hail (0.75)
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Pennington County

Rapid City	14	1857MST			0	0	0	0	Thunderstorm Wind (G50)
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58 mph microburst wind in west Rapid City.

Pennington County

Rapid City Arpt	14	1900MST 1915MST			0	0	0	0	Thunderstorm Wind (G50)
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Squall persisting over 10 minutes with gusts to 58 mph.

Pennington County

Rapid City	17	2000MST			0	0			Thunderstorm Wind (G53)
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Lawrence County

5 W Spearfish	18	2349MST 2355MST			0	0			Hail (1.00)
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Pennington County

Rapid City	19	0105MST 0108MST			0	0			Hail (1.00)
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1.00 inch hail at the NWS office in Rapid City.

Pennington County

Boxelder	19	0114MST 0118MST			0	0			Hail (0.75)
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Pennington County

(Rap)Rapid City Arpt	19	0116MST 0120MST			0	0			Hail (1.00)
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Haakon County

6 N Kirley	19	0315MST			0	0			Hail (1.00)
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Custer County

10 SW Custer	20	1920MST			0	0			Hail (1.75)
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Custer County

5 S Hermosa	22	1740MST 1800MST			0	0			Hail (0.25)
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Hail accumulated to 3 inches along Highway 79.

Harding County

Buffalo	28	1829MST			0	0			Thunderstorm Wind (G60)
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Pennington County

10 S Wall	30	1520MST			0	0			Thunderstorm Wind (G150)
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WYOMING, Northeast

Crook County

Devils Tower	14	1600MST			0	0			Hail (1.25)
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Campbell County

Gillette	14	1900MST 2100MST			0	0			Urban/Sml Stream Fld
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Minor flooding and brief closure of several streets in Gillette.



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June 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>WYOMING, Northeast</u>									
Campbell County									
Gillette	14	1927MST 1930MST			0	0	0	0	Hail (0.75)
Crook County									
8 SW Sundance	18 19	2340MST 0000MST			0	0			Hail (1.75)
									Hail accumulated 3 inches and remained on ground 12 hours.
Weston County									
5 E Newcastle	20	1900MST			0	0			Hail (1.75)
Weston County									
10 SW Clareton	22	1410MST			0	0	0.50K		Hail (1.00)
									Spotter reported broken windows from large hail and wind.
Weston County									
Clareton	22	1510MST 1530MST			0	0			Funnel Cloud
									Several funnel cloud reports were received from spotters in Clareton.
Weston County									
Clareton	22	1515MST			0	0			Hail (2.00)
									Spotter report of 2.00 inch hail.
Campbell County									
5 N Recluse	22	1515MST	0.1	20	0	0			Tornado (F0)
									Brief tornado was reported by spotter.
Crook County									
Moorcroft	28	1735MST 1740MST			0	0			Hail (1.75)
Crook County									
3 SW Sundance	28	1817MST			0	0			Thunderstorm Wind (G60)
Crook County									
Sundance	28	1820MST			0	0			Thunderstorm Wind (G70)
Crook County									
Sundance	28	1829MST 1833MST			0	0			Hail (1.75)



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July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

SOUTH DAKOTA, West

Fall River County

Edgemont	03	2100MST 2102MST			0	0			Thunderstorm Wind (G65)
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Tripp County

Winner	05	2018MST 2020MST			0	0			Thunderstorm Wind (G72)
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Butte County

10 NE Belle Fourche to 45 E Belle Fourche	05 06	2100MST 0030MST			0	0	2K	4.5M	Tstm Wind/Hail
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Butte County

15 E Belle Fourche	05	2130MST 2145MST			0	0			Hail (2.00)
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Butte County

Nisland	05	2130MST 2145MST			0	0			Thunderstorm Wind (G87)
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3 silos and numerous buildings destroyed. 1200 trees damaged. One car garage lifted and moved 60 feet

Meade County

30 N Rapid City	05	2130MST 2200MST			0	0	250K		Thunderstorm Wind (G87)
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54 64,000 volt transmission poles downed. 50 power distribution poles downed.

Meade County

25 NE (Rca)Ellsworth A1	05	2200MST 2215MST			0	0			Thunderstorm Wind (G87)
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Windows blown out of house. Fist-sized holes created on interior walls by wind driven debris/glass.

Meade County

28 E Sturgis	05	2200MST 2245MST			0	0			Hail (2.00)
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20 horses killed. Travel trailer destroyed. 1400 acres of wheat destroyed.

Butte County

Vale	05	2225MST 2227MST			0	0			Thunderstorm Wind (G61)
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Meade County

20 NE Sturgis	05	2250MST 2252MST			0	0			Thunderstorm Wind (G61)
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Meade County

15 NE Sturgis to 45 NE Rapid City	05 06	2330MST 0230MST			0	0	5M		Tstm Wind/Hail
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Pennington County

50 ENE (Rap)Rapid City	06	0005MST 0030MST			0	0	1M	5M	Tstm Wind/Hail
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Beginning Friday, July 5, 1996 and lasting through the early morning of July 6, a severe thunderstorm with large hail and damaging winds destroyed over 200,000 acres of cropland (and damaged an additional 300,000 acres) in Butte, Meade and Pennington counties. Hundres of sheep, cattle and horses were killed in a swath of detruction over 100 miles long and 4 to 5 miles wide. From near Belle Fourche (in Butte County) through Creighton (in Pennington county), an estimated 9.5 million dollars in crop and property damage was sustained. 104 power lines were toppled in less than an hour in northen Meade county.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

SOUTH DAKOTA, West

Custer County									
Fairburn	26	1445MST 1450MST			0	0			Hail (0.75)
Pennington County									
Johnson Siding	31	1205MST 1210MST			0	0			Hail (1.75)
Pennington County									
Hisega	31	1205MST 1210MST			0	0			Hail (1.00)
Pennington County									
Mount Rushmore	31	1250MST 1255MST			0	0			Hail (0.75)
Custer County									
Custer State Park	31	1320MST 1330MST			0	0			Funnel Cloud
Custer County									
Mount Coolidge	31	1326MST 1340MST			0	0			Hail (2.00)
Harding County									
Buffalo	31	1415MST 1420MST			0	0			Hail (1.75)
Harding County									
Buffalo	31	1559MST 1605MST			0	0			Hail (0.75)
Harding County									
Ladner	31	1600MST 1605MST			0	0			Hail (1.75)
Harding County									
Harding	31	1615MST 1620MST			0	0			Hail (1.25)

WYOMING, Northeast

Campbell County									
14 NNW Recluse	05	1750MST 1800MST			0	0			Hail (1.00)
Campbell County									
12 N Recluse	05	1800MST 1805MST			0	0			Thunderstorm Wind (G56)
Campbell County									
12 N Recluse	05	1800MST 1815MST			0	0			Hail (1.50)
			1.5 inch hail covered ground on a 5 mile wide strip.						
Campbell County									
16 NW Weston	05	1815MST 1820MST			0	0			Hail (1.75)
Crook County									
4 W New Haven	05	1900MST 1910MST			0	0			Thunderstorm Wind (G52)
			Trees were downed.						
Crook County									
New Haven	05	1906MST 1910MST			0	0			Hail (1.00)
Crook County									
New Haven	05	1906MST 1910MST			0	0			Thunderstorm Wind (G56)



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

WYOMING, Northeast

Weston County

Four Corners	20	2005MST 2015MST			0	0			Hail (1.50)
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Campbell County

Wright	31	1150MST 1155MST			0	0			Hail (2.75)
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National Weather Service

Storm Data and Unusual Weather Phenomena



August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Character of Storm
					Killed	Injured	Property Crops

SOUTH DAKOTA, West

Tripp County

Winner	01	1945MST 1948MST			0	0	Hail (0.75)
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Tripp County

15 SW Winner	01	1945MST 1950MST			0	0	Hail (1.75)
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Three cars severely damaged.

Butte County

35 NE Belle Fourche	02	1735MST 1740MST			0	0	Hail (1.75)
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Butte County

5 S Redig to 10 S Redig	02	1745MST 1748MST			0	0	Hail (1.75)
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Shannon County

Oglala	02	1815MST 1818MST			0	0	Hail (1.75)
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Numerous cars damaged.

Lawrence County

Lead	09	1415MST			0	0	Hail (1.75)
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Lawrence County

Deadwood	09	1415MST			0	0	Hail (0.75)
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Custer County

Custer State Park	09	1425MST			0	0	Hail (0.75)
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Harding County

Buffalo	09	1448MST 1450MST			0	0	Thunderstorm Wind (G54)
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Lawrence County

10 SE Lead to 20 SE Lead	09	1505MST			0	0	Hail (0.75)
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1 1/2 to 4 inches of dime size hail covered the ground from Roubaix Lake southeast to Trout Haven.

Pennington County

4 S Rochford	09	1510MST 1515MST			0	0	Hail (1.00)
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One inch hail covered the ground. The temperature dropped 34 degrees in one hour--from 82 to 48 degrees.

Harding County

10 W Buffalo	09	1515MST 1530MST			0	0	Hail (1.75)
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Custer County

Custer	09	1515MST			0	0	Hail (0.75)
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Custer County

Pringle	09	1515MST			0	0	Hail (0.75)
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Custer County

Wind Cave	09	1600MST 1603MST			0	0	Hail (0.75)
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Fall River County

Hot Spgs	09	1600MST 1603MST			0	0	Hail (0.75)
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Lawrence County

12 S Pluma	09	1600MST			0	0	Hail (1.00)
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One inch hail was six to eight inches deep on roads.



National Weather Service

Storm Data and Unusual Weather Phenomena



August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

SOUTH DAKOTA, West

Pennington County

3 SE Deerfield	09	1610MST 1612MST			0	0			Hail (0.75)
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Butte County

Hoover	09	1720MST 1723MST			0	0			Thunderstorm Wind (G70)
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An 80 mph wind gust blew out numerous windows, removed portions of two steel roofs, damaged a corral, and stripped branches off trees.

Pennington County

Rapid City	09	1734MST 1800MST			0	1			Thunderstorm Wind (G62)
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Thunderstorm winds blew down a tent at the Central States Fair, injuring one person, and numerous trees throughout town

Meade County

Union Center	09	1745MST 1747MST			0	0			Thunderstorm Wind (G61)
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A 70 mph wind gust stripped branches from trees.

Pennington County

Deerfield	14	1200MST 1205MST			0	0			Hail (0.88)
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WYOMING, Northeast

Crook County

Aladdin	09	1600MST 1602MST			0	0			Thunderstorm Wind (G52)
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Campbell County

12 E Wright	14	1530MST 1535MST			0	0			Hail (0.75)
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Crook County

Devils Tower	18	1800MST 1810MST			0	0			Thunderstorm Wind (G50)
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A tree and numerous branches were downed by thunderstorm winds.

Crook County

3 SE Aladdin	18	1820MST 1830MST			0	0			Thunderstorm Wind (G50)
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Four to five inch branches were broken off trees.



National Weather Service

Storm Data and Unusual Weather Phenomena



September 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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SOUTH DAKOTA, West

Custer County

5 W Hermosa	02	1025MST 1035MST			0	0			Hail (0.75)
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Hail covered the ground.

Custer County

1 W Hermosa	02	1028MST 1030MST			0	0			Hail (1.00)
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Hail covered the ground and one inch of rain fell in a 20 minute period.

Pennington County

15 S Rapid City	02	1045MST			0	0			Hail (1.00)
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Lawrence County

8 W Spearfish	02	1101MST			0	0			Hail (0.75)
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Lawrence County

4 W Lead	02	1118MST			0	0			Hail (0.75)
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Lawrence County

8 NW Rochford	02	1145MST 1150MST			0	0			Hail (1.75)
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Pennington County

2 WNW Rochford	02	1220MST 1225MST			0	0			Hail (1.00)
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Pennington County

Rochford	02	1225MST 1230MST			0	0			Hail (1.75)
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Pennington County

2 NE Silver City	02	1300MST 1305MST			0	0			Hail (2.00)
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Shannon County

12 N Manderson	02	1400MST 1405MST			0	0			Hail (1.75)
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Shannon County

7 N Porcupine	02	1405MST 1410MST			0	0			Hail (1.75)
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Shannon County

Porcupine	02	1410MST 1415MST			0	0			Hail (0.75)
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Jackson County

5 E Kyle	02	1415MST 1420MST			0	0			Hail (0.75)
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Bennett County

6 W Martin	02	1520MST 1530MST			0	0			Hail (0.75)
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SDZ024-028

Northern Black Hills - Central Black Hills

	25	0700MST 1600MST			0	0			Heavy Snow
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An early winter storm over the Black Hills of northeast Wyoming and western South Dakota re-acquainted area residents with their winter driving techniques. Snow totals ranged from 4 to 8 inches. U.S. Highway 385, south of Deadwood South Dakota, was temporarily closed after a semi-truck jack-knifed on Strawberry Hill. Numerous minor accidents were reported in the Black Hills due to slick roads. Heavy wet snow closed the Needles Highway and Iron Mountain Road in the central/southern Black Hills until snowplows could clear the roads.



National Weather Service

Storm Data and Unusual Weather Phenomena



September 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

WYOMING, Northeast

Crook County

3 E Devils Tower

02

0925MST
0930MST

0

0

Hail (0.75)

Hail covered the ground.



National Weather Service

Storm Data and Unusual Weather Phenomena



November 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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SOUTH DAKOTA, West

SDZ002	Perkins	05	1100MST 2300MST		0	0			Heavy Snow
A winter storm produced 9.5 inches of snow in Lemmon.									
SDZ043	Jackson	10	1800MST 1830MST		0	0			Ice Storm
Freezing drizzle deposited a half an inch of ice on a 20 mile section of Interstate 90 near Kadoka. Five car accidents resulted									
SDZ002	Perkins	12	0600MST 1800MST		0	0			Heavy Snow
A winter storm produced 10 inches of snow at Lemmon.									
SDZ002-012>013-026-031-047	Perkins - Butte - Meade Co. Plains - Central Foot Hills - Pennington Plains - Todd	13 14	0100MST 1800MST		0	0	324K		Ice Storm
Freezing drizzle coated power lines and roads throughout western South Dakota. In Perkins county, up to 3 inches of ice was reported on power lines. Over 300 distribution poles were downed at a cost of over \$300,000. In and around Rapid City, over 40 car accidents were reported, resulting in the hospitalization of four people with serious to critical injuries									
SDZ042-047-049	Shannon - Todd - Tripp	16	0600MST 1800MST		0	0			Heavy Snow
11.5 inches of snow fell at Winner, six inches at Kyle, and six inches at Mission during an early winter storm that hit south central South Dakota.									
SDZ001	Harding	22 23	2100MST 0900MST		0	0			Heavy Snow
Eight inches of snow fell at Buffalo.									
SDZ012>013-025	Butte - Meade Co. Plains - Northern Foot Hills	30	1200MST 2359MST		0	0			Heavy Snow
Heavy snows were reported from the northern foothills of the Black Hills through Butte and northern Meade counties. Eight inches fell in Spearfish, 12 inches fell in Maurine (20 miles west of Faith), and 12 inches fell in Hoover (40 miles northeast of Belle Fourche) in less than 12 hours.									

WYOMING, Northeast

WYZ058	Weston	22	1200MST 2100MST		0	0			Ice Storm
Freezing drizzle coated highways; the ice caused four car accidents. Three people were seriously injured in one accident on U.S. highway 16.									



National Weather Service

Storm Data and Unusual Weather Phenomena



December 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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SOUTH DAKOTA, West

SDZ001>002-012>013-024>025-032 **Harding - Perkins - Butte - Meade Co. Plains - Northern Black Hills - Northern Foot Hills - Haakon**

	01	2300MST			0	0			Heavy Snow
	02	1700MST							

A storm dropped six to 12 inches of snow over northwest South Dakota. The heaviest snow stretched from northeast Butte through northern Meade and Haakon counties. Grand Electric Cooperative lost 268 poles in southern Perkins, Harding, northern Butte and Meade counties. The damage was estimated at \$194,000. Numerous accidents occurred along Interstate 90, none with serious injuries.

SDZ001>002-012>014-024>026-028-031>032 **Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Central Black Hills - Pennington Plains - Haakon**

	14	0400MST			0	0			Blizzard
		1700MST							

A blizzard moved into Northwest South Dakota during the early morning hours and continued through the afternoon. Winds of 30 mph with gusts to 55 mph and snowfall of three to 12 inches resulted in zero visibilities and large snow drifts on roads. On Interstate 90, several semi-trailer trucks were involved in accidents. Two trucks hit each other, two trucks slid into the ditch, and another hit a car before sliding into the ditch. No major injuries were reported.

SDZ001>002-012>014-024>025-031>032 **Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Pennington Plains - Haakon**

	16	0200MST			0	0			Blizzard
	17	1800MST							

A two-day blizzard brought two to four inches of snow and wind gusts over 60 mph to Western South Dakota. Numerous traffic accidents were caused by blowing and drifting snow. One vehicle flipped off a bridge on Interstate-90 near Wasta; the driver was hospitalized in critical condition. Forty-four people were rescued from vehicles stranded along roads. Many highways, including the Interstate, were closed. Homes and streets in the Buffalo, Lemmon, and Faith areas were covered by ten foot snow drifts. Numerous livestock were missing after wandering off during the storm.

SDZ013-024-028>029 **Meade Co. Plains - Northern Black Hills - Central Black Hills - Southern Black Hills**

	21	0600MST			0	0			Heavy Snow
	22	1900MST							

Snow began falling Saturday morning and continued into Sunday afternoon. The heaviest snowfall was across the Black Hills and Meade County with totals ranging from six to nine inches.

SDZ027-029-041-044 **Southern Foot Hills - Southern Black Hills - Fall River Co. - Bennett**

	25	0200MST			0	0			Heavy Snow
		1700MST							

Snow fell through the morning hours and into the afternoon on Christmas day. Six to eight inches fell over the southwest corner of South Dakota.

WYOMING, Northeast

WYZ054>058 **Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston**

	14	0200MST			0	0			Blizzard
		1200MST							

A blizzard moved through Northeast Wyoming during the morning hours. Snowfall of three to 12 inches and winds of 30 mph with gusts near 55 mph caused zero visibilities and snow drifts on roads.

WYZ054>058 **Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston**

	16	0100MST			0	0			Blizzard
		2300MST							

A blizzard moved into northeast Wyoming during the early morning and ended around midnight. Blowing and drifting snow reduced visibilities to zero, which closed Interstate-90 and other highways. Numerous accidents occurred along the roads, but none



National Weather Service

Storm Data and Unusual Weather Phenomena



December 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

WYOMING, Northeast

had serious injuries. Wind chill temperatures fell to around 50 below zero.

WYZ054>058

Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston

17 0200MST

0 0

Extreme Windchill

18 1700MST

Winds 25 to 40 mph and temperatures near zero resulted in wind chill readings 30 to 50 below zero.